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**Remarks**

The present invention is an automatic gridding method of a pipe for modelling fluids carried by the pipe.

The Examiner correctly notes that the Information Disclosure submitted a document pertaining to solar cell submodules. This submission was erroneous and is not to be considered by the Examiner.

New formal drawings are submitted herewith in compliance with the Examiner's requirement in Section 4 of the Office Action. .

The Substitute Specification contains an Abstract in a single paragraph.

Claims 1-18 stand rejected under 35 USC §112, second paragraph as being indefinite. Newly submitted claims 19-48 have been drafted to overcome the stated grounds of rejection.

Claims 1-18 stand rejected as reciting a process that is not directed to the technological arts. This ground of rejection is traversed with respect to newly submitted claims 19-48 which pertain to an automatic gridding method of a pipe for modelling fluids carried by the pipe which includes steps of defining cell size for the gridding of the pipe, subdividing the pipe into sections delimited by bends of the pipe, positioning a cell of minimum size on either side of each bend of the pipe followed by positioning gridding and implementing steps. It is submitted that the subject matter of claim 19 and claims dependent therefrom is limited to the technological arts in that the steps pertain to a gridding method pertaining to a pipe which includes information pertaining to the pipe and the fluids carried by the pipe which pertain to the technological arts.

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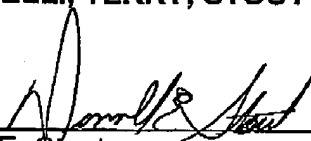
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In view of the Examiner's indication of claims 1-18 containing allowable subject matter, it is submitted that the claims, as amended, are in condition for allowance. Accordingly, early allowance thereof is respectfully requested.

If the Examiner believes that there are any other points which may be clarified or otherwise disposed of, either by telephone discussion or by a personal interview, the Examiner is invited to contact the undersigned attorney at the number indicated below.

To the extent necessary, applicants petition for an extension of time under 37 CFR §1.136. Please charge any shortage in the fees due in connection with the filing of this paper, to the Deposit Account of Antonelli, Terry, Stout & Kraus, LLP, Dep. Acct. No. 01-2135 (612.40181X00), and please credit any excess fees to such deposit account.

Respectfully submitted,  
**ANTONELLI, TERRY, STOUT & KRAUS, LLP**



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